

**Practice: 386 - Field Border**

**Scenario: #1 - Native vegetation mix, Foregone Income**

**Scenario Description:**

A strip of perennial, native vegetation established at the edge or around the perimeter of a field. This practice is applicable in recreation land use settings and other land uses where agronomic crops, including forages, are grown. Practice includes seedbed prep and planting perennial, native species. The area of the field border is taken out of production, and shall not be used for travel by equipment or livestock.

**Before Situation:**

Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.

**After Situation:**

When applied, this practice will support or connect other buffer practices within and between fields. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Native species selected shall be adapted to the site, not function as a host for diseases of a field crop, and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.

**Scenario Feature Measure:** acres planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 1

**Scenario Cost:** \$245.08

**Scenario Cost/Unit:** \$245.08

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.97	1	\$8.97
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$13.37	1	\$13.37
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.20	1	\$17.20
<b>Foregone Income</b>						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$144.36	0.66	\$95.28
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	\$115.67	0.34	\$39.33
<b>Materials</b>						
One Species, Warm Season, Native Perennial Grass	2322	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$70.93	1	\$70.93

**Practice: 386 - Field Border**

**Scenario: #2 - Introduced vegetation mix, Forgone Income**

**Scenario Description:**

A strip of perennial, introduced species established at the edge or around the perimeter of a field. This practice is applicable in recreation land use settings and other land uses where agronomic crops, including forages, are grown. Practice includes seedbed prep for planting perennial, introduced species. The area of the field border is taken out of production, and shall not be used for travel by equipment or livestock.

**Before Situation:**

Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.

**After Situation:**

When applied, this practice will support or connect other buffer practices within and between fields. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Introduced species selected shall be adapted to the site, not function as a host for diseases of a field crop, and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.

**Scenario Feature Measure:** acres planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 1

**Scenario Cost:** \$272.51

**Scenario Cost/Unit:** \$272.51

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$5.48	1	\$5.48
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$13.37	1	\$13.37
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.20	1	\$17.20
Cultipacking	1100	Includes equipment, power unit and labor costs.	Acre	\$6.83	1	\$6.83
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.97	1	\$8.97
<b>Foregone Income</b>						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$144.36	0.66	\$95.28
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	\$115.67	0.34	\$39.33
<b>Materials</b>						
Four Species Mix, Cool Season, Introduced Perennial (2 grasses, 2 legumes)	2317	Cool season grass and legume mix. Includes material and shipping only.	Acre	\$49.65	1	\$49.65
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.54	20	\$10.80
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.64	20	\$12.80
Nitrogen (N), Urea	71	Price per pound of N supplied by Urea. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.64	20	\$12.80

**Practice: 386 - Field Border**

**Scenario: #3 - Riparian or upland pollinator habitat**

**Scenario Description:**

A strip of native, perennial vegetation established at the edge or around the perimeter of a field. This practice is applicable in recreation land use settings and other land uses where agronomic crops, including forages, are grown. Practice includes seedbed prep and planting native, perennial species which provide pollen and nectar for pollinators and their habitat. The area of the field border is taken out of production, and shall not be used for travel by equipment or livestock.

**Before Situation:**

Before practice conditions may vary widely. Fields may have erosion issues from wind or water, a riparian field border may be needed to manage pest populations, protect soil and water quality, provide wildlife food and cover, provide pollinator habitat, or a field border may be used to increase carbon storage and improve air quality. Water quality, soil erosion and/or wildlife food and cover may all be primary resource concerns.

**After Situation:**

Pollinator herbaceous plantings will provide plants which flower throughout the growing season, providing a source of nectar and pollen for pollinators and a diversity of herbaceous material for immature pollinator life stages and for nesting. Minimum field border widths shall be based on NRCS local design criteria specific to the purpose for installing the practice. Species selected shall meet the pollinator habitat requirements of the state and be adapted to site, not function as a host for diseases of a field crop, and have physical characteristics necessary to control wind and water erosion to tolerable levels on the field border area.

**Scenario Feature Measure:** acres planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 1

**Scenario Cost:** \$326.89

**Scenario Cost/Unit:** \$326.89

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.97	1	\$8.97
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$17.20	1	\$17.20
<b>Foregone Income</b>						
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	\$115.67	0.34	\$39.33
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$144.36	0.66	\$95.28
<b>Materials</b>						
One Species, Warm Season, Native Perennial Grass	2322	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$70.93	0.5	\$35.47
Native Grass and Forb Mix, for Wildlife (including pollinators) or Ecosystem Restoration	2335	Native grass and forb/legume mix, including specialized species. Includes material and shipping only.	Acre	\$261.29	0.5	\$130.65